CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 94-185
NPDES NO. CA0029238

WASTE DISCHARGE REQUIREMENTS FOR:

SANTA CLARA COUNTY TRANSPORTATION AGENCY
DON PEDRO CHABOYA STATION FACILITY
SAN JOSE, SANTA CLARA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, (hereinafter called the Board) finds that:

1. Santa Clara County Transportation Agency, hereinafter called the discharger, by application dated November 7, 1994 has applied for reissuance of waste discharge requirements and a permit to discharge waste under the National Pollutant Discharge Elimination System (NPDES), from the facility located at 2240 South Seventh Street, San Jose, Santa Clara County, where the discharger operates a bus washing, maintenance, and fueling station.

2. Site investigations show that the groundwater beneath the site has been polluted by floating diesel product. The pollution is the result of a 150,000 gallon leak from a product delivery line.

3. Groundwater monitoring data indicates that the pollutant plume is about 35 feet deep and extends about 800 feet from the source area. The discharger is attempting to clean up the site and prevent further migration of pollutants by groundwater extraction and treatment.

4. The discharge is presently governed by Waste Discharge Requirements, Order No. 87-059 which allow discharge into Coyote Creek and South San Francisco Bay.

5. Waste 001 consists of an average flow of 600 gallons per day of treated extracted groundwater. The maximum flowrate is about 15,000 gallons per day. Polluted groundwater is pumped from two extraction trenches and treated by an oil-water separator, aeration-equalization tank, and carbon adsorbers. Treated groundwater is either discharged to a storm drain tributary to Coyote Creek or recharged onsite through an infiltration trench. Currently, all treated groundwater is being recharged.

6. The Board adopted a revised Water Quality Control Plan for the San Francisco Bay Region (Basin Plan) in December

1991. The Basin Plan contains water quality objectives for Coyote Creek and South San Francisco Bay to which Coyote Creek is a tributary.

7. The beneficial uses of Coyote Creek are:

- o Contact and non-contact water recreation
- o Warm freshwater habitat
- o Cold freshwater habitat
- o Wildlife habitat
- o Preservation of rare and endangered species
- o Fish spawning and migration

The beneficial uses of South San Francisco Bay are:

- o Water contact recreation
- o Non-contact water recreation
- o Wildlife habitat
- o Preservation of rare and endangered species
- o Fish migration and spawning
- o Industrial service supply
- o Navigation
- o Commercial and sport fishing
- o Shellfish harvesting
- o Estuarine habitat

8. Basin Plan Prohibitions: The Basin Plan prohibits the discharge of wastewater which has "particular characteristics of concern to beneficial uses" (a) "at any point in San Francisco Bay south of the Dumbarton Bridge" and (b) "at any point where the wastewater does not receive a minimum initial dilution of at least 10:1 or into any nontidal water, dead end slough, similar confined water, or any immediate tributary thereof." The Basin Plan allows for exceptions to these prohibitions when it can be demonstrated that a net environmental benefit can be derived as a result of the discharge. An exception to these prohibitions is warranted for this discharge because (i) this discharge is an integral part of a groundwater remediation program and thereby provides a net environmental benefit.

The Basin Plan prohibits the discharge of "all conservative toxic and deleterious substances, above those levels which can be achieved by a program acceptable to the Board, to waters of the Basin." The discharger's groundwater extraction and treatment system and associated operation, maintenance, and monitoring plan constitutes an acceptable control program for minimizing the discharge of toxicants to waters of the State.

9. Effluent limitations of the Order are based on the Basin Plan, State Plans and Policies, and best professional judgement. The limitations are considered to be those attainable by BAT, in the judgement of the Board.

10. The issuance of waste discharge requirements for this discharge is exempt from the provisions of Chapter 3 (commencing with Section 21000 of Division 13) of the Public Resources Code (CEQA) pursuant to Section 13389 of the California Water Code.

11. The Board has notified the discharger and interested agencies and persons of its intent to reissue waste discharge requirements for the discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.

12. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED THAT Santa Clara County Transportation Agency in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, and the provisions of the Clean Water Act and regulations and guidelines adopted thereunder, shall comply with the following:

A. Discharge Prohibitions

1. The discharge of waste or hazardous materials in a manner which will degrade the water quality or adversely affect beneficial uses of the waters of the State is prohibited.

B. Effluent Limitations

1. The discharge shall not exceed the following limits:

| Constituent | Units | Instantaneous Maximum |
|---|---|---|
| benzene | ug/l | 1.0 |
| toluene | ug/l | 5.0 |
| xylenes | ug/l | 5.0 |
| ethylbenzene | ug/l | 5.0 |
| total petroleum hydrocarbons as diesel | ug/l | 50.0 |
| Metals * | | |
| Arsenic | ug/l | 10.0 |
| Cadmium | ug/l | 2.2 + |
| Chromium (VI) | ug/l | 22.0 ++ |
| Copper | ug/l | 23.6 + |

| | | |
|---|---|---|
| Lead | ug/l | 6.4 + |
| Nickel | ug/l | 320.0 + |
| Selenium | ug/l | 10.0 |
| Silver | ug/l | 8.2 + |
| Zinc | ug/l | 220.0 + |

* Limits apply when discharge is to the storm drain.
+ assumes hardness = 100 mg/l CaCO3
++ Discharger may meet this limit as total chromium.

2. The pH of the discharge shall be between 6.5 and 8.5 pH units.

3. In any representative set of samples, the waste as discharged shall meet the following limit of quality:

   TOXICITY: The survival of organisms in a 96-hour bioassay in undiluted effluent shall not be less than a three sample median of 90 percent survival nor less than 70 percent survival in any single sample. Test organisms and methods shall be as specified in Chapter IV of the Basin Plan.

B. Receiving Water Limitations

1. The discharge of waste shall not cause the following conditions to exist in waters of the State at any place:

   a. Floating, suspended, or deposited macroscopic particulate matter or foam;

   b. Bottom deposits or aquatic growths;

   c. Alteration of temperature, turbidity, or apparent color beyond present natural background levels;

   d. Visible, floating, suspended, or deposited oil or other products of petroleum origin;

   e. Toxic or other deleterious substances to be present in concentrations or quantities which will cause deleterious effects on aquatic biota, wildlife, or waterfowl, or which render any of these unfit for human consumption either at levels created in the receiving waters or as a result of biological concentration.

2. The discharge of waste shall not cause the following limits to be exceeded in waters of the State in any place within one foot of the water surface:

a. Dissolved Oxygen — 7.0 mg/L minimum. Median of any three consecutive months shall not be less than 80% saturation. When natural factors cause lesser concentration(s) than those specified above, then this discharge shall not cause further reduction in the concentration of dissolved oxygen.

b. pH — Variation from natural ambient pH by more than 0.5 pH units.

c. Un-ionized ammonia — 0.025 mg/L as N Annual Median 0.4 mg/L as N maximum.

3. The discharge shall not cause a violation of any applicable water quality standard for receiving waters adopted by the Board or the State Water Resources Control Board as required by the Clean Water Act and regulations adopted thereunder. If more stringent applicable water quality standards are promulgated or approved pursuant to Section 303 of the Clean Water Act, or amendments thereto, the Board will revise and modify this Order in accordance with such more stringent standards.

C. Provisions

1. The discharger shall comply with all sections of this order immediately upon adoption.

2. The requirements prescribed by this Order supersede the requirements prescribed by Order No. 87-059 adopted on June 17, 1987. Order No. 87-059 is hereby rescinded.

3. The discharger shall develop and implement a storm water pollution prevention plan in accordance with the State Water Resources Control Board General Industrial Stormwater Permit, Section A: Stormwater Pollution Prevention Plan.

4. The discharger shall review and update annually its contingency plan as required by Board Resolution No. 74-10. The discharge of pollutants in violation of this Order where the discharger has failed to develop and/or implement a contingency plan will be basis for considering such discharge a willful and negligent violation of this Order pursuant to Section 13387 of the California Water Code.

the California Regional Water Quality Control Board, San Francisco Bay Region on December 14,1994.

Steven R. Ritchie
Executive Officer

Attachments:

Self Monitoring Program
Resolution 74-10

5. The discharger shall comply with the self-monitoring program as adopted by the Board and as may be amended by the Executive Officer.

6. The discharger shall comply with all items of the attached "Standard Provisions, Reporting Requirements and Definitions" dated August 1993, except items C.1, C.2, D.2, D.3, E.5, and E.6.c. With respect to item G.3, composite samples are not required.

7. All applications, reports, or information submitted to the Regional Board shall be signed and certified pursuant to Environmental Protection Agency regulations (40 CFR 122.41K).

8. In the event of any change in control or ownership of land or waste discharge facilities presently owned or controlled by the Discharger, the Discharger shall notify the succeeding owner or operator of the existence of this Order by letter, a copy of which shall be forwarded to this office.

9. Pursuant to Environmental Protection Agency regulations [40 CFR 122.42(a)] the Discharger must notify the Regional Board as soon as it knows or has reason to believe (1) that they have begun or expect to begin, use or manufacture of a pollutant not reported in the permit application, or (2) a discharge of a toxic pollutant.

10. This Order expires December 14, 1999. The discharger must file a report of waste discharge in accordance with Title 23, Chapter 3, Subchapter 9 of the California Administrative Code not later than 180 days in advance of such expiration date as application for issuance of new waste discharge requirements.

11. This Order shall serve as a National Pollutant Discharge Elimination System Permit pursuant to Section 402 of the Clean Water Act or amendments thereto, and shall become effective 10 days after date of its adoption provided the Regional Administrator, Environmental Protection Agency, has no objection. If the Regional Administrator objects to its issuance, the permit shall not become effective until such objection is withdrawn.

I, Steven R. Ritchie, Executive Officer do hereby certify the foregoing is a full, true and correct copy of an Order adopted by

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

# SELF-MONITORING PROGRAM

FOR

SANTA CLARA COUNTY TRANSPORTATION AGENCY
DON PEDRO CHABOYA STATION

SAN JOSE, SANTA CLARA COUNTY

NPDES NO. CA0029238

ORDER NO. 94-185

SMP CONSISTS OF

PART A

AND

PART B

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM

PART B. MONITORING SPECIFICATIONS

## I. DESCRIPTION OF SAMPLING STATIONS

### A. INFLUENT

| Station | Description |
|---|---|
| I-1 | At a point in the groundwater extraction/treatment system immediately prior to any treatment. |

### B. Effluent

| Station | Description |
|---|---|
| E-001 | At a point in the groundwater extraction/treatment system immediately following treatment at a point before discharging into the storm drain or infiltration trench. |

### C. Receiving Waters

| Station | Description |
|---|---|
| C-1 | At a point in Coyote Creek, located approximately 100-200 feet downstream from the point of discharge. |

## II. SCHEDULE OF SAMPLING AND ANALYSIS

The schedule of sampling and analysis shall be as follows:

| SAMPLING STATION | I-1 | E-001 | C-1 |
|---|---|---|---|
| Flow Rate (gal/day) | D | D | |
| pH (units) + | | Q | |
| Dissolved Oxygen (mg/l) + | | Q | |
| Temperature + | | Q | |
| Total Suspended Solids (mg/L)+ | | Q | |
| Fish Toxicity *+ | | A | |

| | | | |
|---|---|---|---|
| Benzene | Q | Q | |
| Toluene | Q | Q | |
| Xylenes | Q | Q | |
| Ethylbenzene | Q | Q | |
| Total Petroleum Hydrocarbons identified as diesel | Q | Q | |
| Metals + | | A | |
| Visual Observations + | | | Q |

Key: D = Daily Q = Quarterly A = Annually

* Using 96-hour, static bioassay in undiluted effluent.
+ Not required for discharge to infiltration trench.

III. MODIFICATIONS OF PART A

All items in Part A (August 1993) shall be complied with except: C.2.a, C.3., C.5, D.2-D.5, E.2-E.3, E.5, F4., and F.5. With respect to section C, composite samples are not required. Section F.4 (submittal of SMRs) is modified to provide for quarterly SMRs due 45 days after the end of the calender quarter. Section F.5 (annual reports) is modified to allow 45 days after the end of the calender year for report submittal.

IV. MISCELLANEOUS REPORTING

Violations of any permit limitations shall be reported on the transmittal letter accompanying the self monitoring report together with actions taken or proposed actions to restore compliance.

I, Steven R. Ritchie, Executive Officer, hereby certify that the foregoing self-monitoring program:

1. Has been developed in accordance with the procedure set forth in this Regional Board's Resolution 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. 94-185.

2. Is effective on the date shown below.

3. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger and revisions may be ordered by the Executive Officer.

Steven R. Ritchie
Executive Officer
DATE ORDERED December 14, 1994